

10/627,950

Patent US 313C2
Attorney Docket: 612,404-426

"complete" icon next to that protocol. If more than one screening variant group was identified as containing a mutation in the screening run, the user selected another protocol to run, and the ASM again prompted the user as to which microchip and genotyping reporter mix to use. This process was repeated until all of the necessary protocols had been run.

Please replace the paragraph beginning on page 64, line 27, with the following paragraph.

-- The reader increased the temperature to 56 °C for 60 second, decreased temperature to 38 °C for 30 seconds, performed eight low salt washes, and decreased temperature to 24 °C. Then, the reader performed a red/green scan of test site 6, the background control test site, and the T-tract heterozygous ratio reference test site, which was addressed with the dF508 heterozygous ratio reference during the screening run. The data collected was offloaded to the PC. After the scan the reader increased the temperature of the chip to 56 °C, performed four low salt washes, and then set the temperature at 24 °C. --

7/15/09 CF
Please replace Table 11, beginning on page 68, line 2, with the following table.

Discriminator for:	Sequence
dI507, Wild-type	5'aagatgatattttcttaactgagtcggAACATTGAG3' <u>SEQ ID NO: 33</u>
Screening, dI507 Mutant	5'aaAGATATTTCTTAAATTGAGTATATCGCTTGACAA3' <u>SEQ ID NO: 34</u>
dI507, Mutant	5'aaAGATATTTCTTAAATGGCAGTATATCGCTTGACAA3' <u>SEQ ID NO: 35</u>
I507V, Mutant	5'aagacgatattttcttAAACTGAGTCGGAAACATTGAG3' <u>SEQ ID NO: 36</u>
I506V, Mutant	5'aAGATGACATTTCTTAACTGAGTCGGAAACATTGAG3' <u>SEQ ID NO: 37</u>
F508C, Mutant	5'ctgAGTCGGAAACATTGAGGGAAACACCCACAGA3' <u>SEQ ID NO: 38</u>
I717-1, Wild type	5'ctgAGTCGGAAACATTGAGGATTCCTTATTAC3' <u>SEQ ID NO: 39</u>
I717-1, Mutant	5'GAGTATATCGCTTGACAGATGCTTATTAC3' <u>SEQ ID NO: 40</u>
Screening, I717-1, mutant	5'GAGTATATCGCTTGACAGATGCTTATTAC3' <u>SEQ ID NO: 41</u>
3659delC, Wild-type	5'ctgAGTCGGAAACATTGAGTGACTTGGTAGGT3' <u>SEQ ID NO: 42</u>